

## EAST Search History

S4	99	((("5877802") or ("5933585") or ("6154248") or ("5418564") or ("5479206") or ("5543837") or ("5648817") or ("5650819") or ("5875262") or ("6047102") or ("6151070") or ("4556787") or ("4564277") or ("4786987") or ("4855965") or ("4907860") or ("4991007") or ("5241167") or ("5283736") or ("5347362") or ("5416345") or ("5428463") or ("5625411") or ("5668514") or ("5877810") or ("5905529") or ("5966173") or ("6067147") or ("6084632") or ("6097430") or ("6104438") or ("6147706") or ("6210870") or ("6211911") or ("6210870") or ("6211911") or ("4303322") or ("4329032") or ("4384336") or ("4419920") or ("4443078") or ("4485480") or ("4490028") or ("4514083") or ("4524381") or ("4547055") or ("4574319") or ("4584610") or ("4612572") or ("4620098"))).PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2006/10/27 14:08
S5	1219178	(second NEAR2 speaker) same (second adj distance) same (sound near2 source near2 position) same (crossover near2 frequenc\$3) or frequency) same ((frequency near2 divided) or (frequency -divided))	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 09:21
S6	1	(second NEAR2 speaker) same (second adj distance) same (sound near2 source near2 position) same ((crossover near2 frequenc\$3) or frequency) same ((frequency near2 divided) or (frequency -divided))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 14:53
S7	1	(second NEAR2 speaker) and (second adj distance) and (sound near2 source near2 position) and ((crossover near2 frequenc\$3) or frequency) and ((frequency near2 divided) or (frequency -divided))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 14:55
S8	0	(second NEAR2 speaker) and (second adj distance) and (sound near2 source near2 position) and ((crossover near2 frequenc\$3) or frequency) and ((frequency near2 divided) or (frequency -divided))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 14:56

## EAST Search History

S9	1	(second NEAR2 speaker) and (second adj distance) and (sound near2 source near2 position) and ((crossover near2 frequenc\$3) or frequency) and ((frequency near2 divided) or (frequency -divided))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 14:56
S10	24	(second NEAR2 speaker) and distance\$1 and (sound near2 source\$1) and ((crossover near2 frequenc\$3) frequenc\$3) and ((frequenc\$3 near2 divid\$3) (frequenc\$3-divid\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:07
S11	19	(second NEAR2 speaker) and distance\$1 and (sound near2 source\$1) and ((crossover near2 frequenc\$3) frequenc\$3) and ((frequenc\$3 near2 divid\$3) (frequenc\$3-divid\$3)) and @ay<="2003"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:08
S12	108	(second NEAR2 speaker) and ((crossover near2 frequenc\$3) frequenc\$3) and ((frequenc\$3 near2 divid\$3) (frequenc\$3-divid\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:08
S13	0	(second NEAR2 speaker) and distance\$1 and (sound near2 source\$1) and ((crossover near2 frequenc\$3) frequenc\$3) and ((frequenc\$3 near2 divid\$3) (frequenc\$3-divid\$3)) and @ay<="2003"	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 15:08
S14	88	(second NEAR2 speaker) and ((crossover near2 frequenc\$3) frequenc\$3) and ((frequenc\$3 near2 divid\$3) (frequenc\$3-divid\$3)) and @ay<="2003"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:28
S15	33	(second NEAR2 speaker) and ((crossover near2 frequenc\$3) frequenc\$3) and ((frequenc\$3 near2 divid\$3) (frequenc\$3-divid\$3)) and (formula or equation )and @ay<="2003"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:48
S16	383	(second NEAR2 speaker) and ((crossover near2 frequenc\$3) frequenc\$3)and (formula or equation )and @ay<="2003"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:49
S17	480	(second NEAR2 speaker) and ((crossover near2 frequenc\$3) frequenc\$3)and (formula or equation )	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 12:36

## EAST Search History

S18	139	((381/306).ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:52
S19	6	S17 and S18 and @ay<="2003"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:52
S20	235	((381/333).ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:52
S21	5	S17 and S20 and @ay<="2003"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:52
S22	111	((381/306).ccls.) and @ay<="2003"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/27 15:52
S23	54	((("20050271227") or ("5751821") or ("5216209") or ("5004067") or ("4860363") or ("5910990") or ("5266752") or ("6075868") or ("4502149") or ("6070694") or ("4512434") or ("5526441") or ("5537480") or ("4322578") or ("4348552") or ("4437541") or ("4759065") or ("4790408") or ("4847904") or ("4885782") or ("5187333") or ("5581626") or ("5717766") or ("5729611") or ("5844176") or ("3903989") or ("4006311") or ("4249037") or ("4437539") or ("4440259") or ("4567959") or ("4624337") or ("4856065") or ("4882760") or ("4903300") or ("4924963") or ("5212732") or ("5253933") or ("5402502") or ("5418336") or ("5706358") or ("5952619") or ("6038323") or ("6111957") or ("6215885") or ("6215885") or ("7046816") or ("20030053644") or ("20050175207") or ("20050175208"))).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/10/27 16:12
S24	131250	(second NEAR2 speaker) same (second adj distance) same (sound near2 source near2 position) same (crossover near2 frequenc\$3) or frequency) same ((frequency near2 divided) or (frequency -divided) and (formula or equation)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 09:22

## EAST Search History

S25	407	((381/306 or 381/337).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:23
S26	545	((381/300 or 381/27).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:23
S27	1524	((381/17-18 or 381/92).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:24
S28	936	((381/98).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:25
S29	2228	((181/144-145 or 181/189-199).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:25
S30	405	((181/175).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:26
S31	15	S24 and S25 and @ay<="2003"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:30
S32	29	S24 and S26 and @ay<="2003"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:33
S33	203	S24 and S27 and @ay<="2003"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:57
S34	131	S24 and S28 and @ay<="2003"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 09:59
S35	81	S24 and S29 and @ay<="2003"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 10:01
S36	14	S24 and S30 and @ay<="2003"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 10:01

## EAST Search History

S37	484	(second NEAR2 speaker) and ((crossover near2 frequenc\$3) frequenc\$3)and (formula or equation )	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/02 12:36
S38	8	((381/98).ccls.) and S37 and @ay<="2001"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/04 11:38
S39	1	("4817149").PN.	USPAT; USOCR	OR	OFF	2006/11/02 14:22
S40	484	(second NEAR2 speaker) and ((crossover near2 frequenc\$3) frequenc\$3)and (formula or equation )	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/04 11:38
S41	5	((381/99).ccls.) and S40 and @ay<="2001"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/11/04 11:39

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	((("4,403,112A") or ("5,181,247A")).PN.	USPAT; USOCR	OR	OFF	2006/11/02 14:22
S2	2	((("4,403,112") or ("5,181,247")).PN.	USPAT; USOCR	OR	OFF	2006/10/26 14:02
S3	48	((("5877802") or ("5933585") or ("6154248") or ("5418564") or ("5479206") or ("5543837") or ("5648817") or ("5650819") or ("5875262") or ("6047102") or ("6151070") or ("4556787") or ("4564277") or ("4786987") or ("4855965") or ("4907860") or ("4991007") or ("5241167") or ("5283736") or ("5347362") or ("5416345") or ("5428463") or ("5625411") or ("5668514") or ("5877810") or ("5905529") or ("5966173") or ("6067147") or ("6084632") or ("6097430") or ("6104438") or ("6147706") or ("6210870") or ("6211911") or ("6210870") or ("6211911") or ("4303322") or ("4329032") or ("4384336") or ("4419920") or ("4443078") or ("4485480") or ("4490028") or ("4514083") or ("4524381") or ("4547055") or ("4574319") or ("4584610") or ("4612572") or ("4620098")).PN.	USPAT; USOCR	OR	OFF	2006/10/27 14:30